

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	11382	coupling same thread\$2 adj end	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 09:20
L2	6144	1 and cylindrical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 09:20
L3	1586	1 and (cylindrical same groove)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 10:17
L4	81	3 and shear	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 09:21
L5	17	("0974719"   "1643110"   "3540763"   "3570074"   "4024013"   "4205926").PN. OR ("4433933").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/22 09:25
L6	869	((403/268) or (403/368)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/06/22 09:25
L7	4	("4599056"   "4886695"   "5252879").PN. OR ("6139298").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/22 09:30
L8	14	("4614453"   "4690617"   "4697325"   "4722630"   "4759110").PN. OR ("4886695").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/22 09:31

## EAST Search History

L9	47	("1794782"   "1940870"   "2297508"   "2891525"   "2933386"   "3321565"   "3604819"   "3666302"   "3801226"   "4014968"   "4123199"   "4176519"   "4214906"   "4256441"   "4270380"   "4279576"   "4281941"   "4325647"   "4341826"   "4404935"   "4424003"   "4479293"   "4479735"   "4492737"   "4495684"   "4503009"   "4518315"   "4531269"   "4548786"   "4614453").PN. OR ("4690617"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/22 09:33
L10	42	("2207534"   "3470983"   "4076436"   "4281941"   "4325647"   "4424003"   "4484833"   "4508067").PN. OR ("4614453"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/22 09:51
L11	2089	oil adj well same coupling	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/22 09:51
L12	32	3 and 11	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/22 09:54
L13	128	403/34	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/22 10:17
L14	55	(cylindrical same groove) same (weakened same shear)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 10:19
L15	337	(cylindrical same groove) same (weakened same body)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 10:31
L16	1	("4653953").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/06/22 10:32
L17	1	("4433933").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/06/22 10:32

## EAST Search History

S1	104082	coupling same cylindr\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/22 09:19
S2	143	S1 and threaded adj cavity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 12:52
S3	14	S2 and threaded adj pin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 18:29
S4	1	bostik same edmonton	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 18:30
S5	15	("0861158"   "1252632"   "2446406"   "4238164"   "4718671").PN. OR ("4858926"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/17 12:27
S6	11	((("4422508") or ("2889162") or ("1185591") or ("1298715") or ("2144364"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/04/17 12:52
S7	357	shear adj coupling	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 12:46
S8	3	S7 and threaded adj pin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 12:30

## EAST Search History

S9	6	S7 and threaded adj end	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 12:48
S10	283	pin adj threaded adj end	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 12:50
S11	2	S10 and hollow adj end	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/17 12:50
S12	29	("2128102"   "2296397"   "2605131"   "2908525"   "3327784"   "3329450"   "3922104"   "4016796"   "4127297"   "4275786"   "4332410"   "4411546"   "4445572"   "4475839"   "4558895"   "4913229"   "5066060").PN. OR ("5470118").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/17 12:58
S13	8739	inner adj surface same corrosion	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 16:52
S14	1237	S13 and coupling	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 16:44
S15	43	inner adj surface same corrosion adj coating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 17:17

## EAST Search History

S16	37	coupling same corrosion adj coating	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 16:55
S17	0	cylindrical adj hollow same internal adj thread same both adj ends	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 17:18
S18	1	cylindrical adj hollow same internal adj thread same both adj ends	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 17:19
S19	133	cylindrical same internal adj thread same both adj ends	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 17:25
S20	22	cylindrical same internal adj thread same both adj ends same groove	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 17:27
S21	3	cylindrical same internal adj threaded same both adj ends same groove	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 17:30
S22	3	hollow same internal adj threaded same both adj ends same groove	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 17:39

## EAST Search History

S23	710	((403/299) or (403/306)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/04/25 17:46
S24	615	tube same external adj groove	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 17:46
S25	206	tube same thread\$2 same external adj groove	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 17:47
S26	24	tube same internal adj thread\$2 same external adj groove	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 18:05
S27	631	(403/2).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/04/25 18:08
S28	478	(403/267).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/04/25 18:10
S29	1500	(403/265-268).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/04/25 18:10
S30	6067	skillman	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 18:24
S31	1490	skillman	US-PGPUB	OR	OFF	2007/04/25 18:24

## EAST Search History

S32	0	"2004/0012200"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 18:38
S33	1594462	S31 an coupling	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 18:30
S34	361	S31 and coupling	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 18:31
S35	0	S30 and "0012200"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 18:35
S36	3	("3065983").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/04/25 18:35
S37	81	"0012200"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/25 18:38
S38	1	("4475839").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/04/26 10:06
S39	16	("4127741"   "4315699"   "4360288"   "4401396").PN. OR ("4475839").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/26 10:09

## EAST Search History

S40	11	("4401396"   "4422508"   "4459060"   "4475839"   "4602892"   "4653953"   "4662774"   "4672845"   "4896725"   "4919560"   "RE32865").PN. OR ("6513593").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/26 10:09
S41	6072	skillman	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/26 10:58
S42	104201	coupling same cylindr\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/26 11:01
S43	73	coupler same threaded adj pin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/26 11:12
S44	9	("1429371"   "3600014"   "4585368"   "4597688").PN. OR ("4787771").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/26 11:04
S45	3201193	"4" and opening\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/26 11:13
S46	46	S43 and opening\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/26 11:16
S47	12112	S42 and groove same opening\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/26 11:16



## EAST Search History

S48	128	S47 and threaded adj pin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/26 11:46
S49	1	("5470118").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/04/26 12:12
S50	29	("2128102"   "2296397"   "2605131"   "2908525"   "3327784"   "3329450"   "3922104"   "4016796"   "4127297"   "4275786"   "4332410"   "4411546"   "4445572"   "4475839"   "4558895"   "4913229"   "5066060").PN. OR ("5470118").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/26 11:48
S51	3	("3065983").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/04/26 12:13
S52	364	(403/43).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/04/26 12:13
S53	579	(464/32-33).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/06/18 09:06
S54	12	("2300778"   "2327604"   "3851498").PN. OR ("3975923"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/18 09:13
S55	1310	(285/2-4).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/18 11:09
S56	579	(464/32-33).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/21 15:50

## EAST Search History

S57	111693	threaded adj end	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/21 15:50
S59	5387	threaded adj end same hollow same cylindrical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/21 15:51
S60	1175	threaded adj end same (hollow same cylindrical same groove)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/21 15:52
S61	51	S60 and shear	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/21 16:01
S62	1	("5470118").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/06/21 17:15
S63	1308	(285/2-4).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2007/06/21 17:15